

1940

GS-4

SPECIALTY ORDERS

COVERING

SPECIALTIES TO BE APPLIED TO GS-4

CLASS LOCOMOTIVES AND 235-R-1

CLASS TENDERS

ON ORDER P-148

PLACED WITH

LIMA LOCOMOTIVE WORKS, INC.

1940



# LIST OF SPECIALTY ORDERS

FOR

GS-4 CLASS LOCOMOTIVES + 235-R-1 CLASS TENDERS ON  
ORDER P-148 PLACED WITH LIMA LOCOMOTIVE WORKS, INC.

P-148-1	Air Brake and Signal Eqpt.	P-148-117	Headlight Turbo Generator
P-148-2	Axles, Tender	P-148-118	Headlight Wiring Fixtures
P-148-3	Bearings, Engine, Trailing and Tender Trucks + Driving	P-148-119	Tank Hose
P-148-5	Brake Shoes	P-148-121	Mechanical Lubricator (DV-7)
P-148-8	Couplers	P-148-121-A	" " (DV-4)
P-148-15	Hand Brake	P-148-122	Piston Rod & Valve Stem Packing
P-148-101	Back Pressure Gages	P-148-123	Power Reverse Gear
P-148-102	Bell Ringer	P-148-124	Safety Valves
P-148-103	Boiler Tubes and Flues	P-148-125	Journal Lubricators
P-148-103A	" " " "	P-148-126	Sanders (Viloco)
P-148-103-B	" " " "	P-148-126A	" (Graham-White)
P-148-103C	" " " "	P-148-127	Signal Foam Meter
P-148-104	Boiler Drop Plugs	P-148-128	Smokebox Front Hinges
P-148-105	Booster Engines	P-148-130	Telltale Flexible Staybolts
P-148-106	Radial Buffers	P-148-131	Steam Gages
P-148-107	Sleeve Joints	P-148-132	Steam Heat Gages
P-148-108	Main Crank Pins	P-148-133	Steam Heat Reducing Valves
P-148-109	Cylinder Cocks	P-148-134	Superheater and Throttle Equipment.
P-148-110	Dial Thermometers	P-148-135	Tank Level Indicators
P-148-111	Engine Trucks	P-148-136	Tires, Driving and Trailing
P-148-112	Front Draw Castings	P-148-137	Trailing Trucks
P-148-113	Axles, Driving, Engine and Trailing Truck	P-148-138	Water Gages
P-148-114	Feedwater Equipment, Injector, Etc.	P-148-139	Wheels, Engine Truck
P-148-115	Feedwater Heater Equip- ment	P-148-139T	Wheels, Tender
		P-148-140	Wrenches
		P-148-140-A	Packing Hook & Iron
		P-148-141	Valve Pilot
		P-148-142	Tire Retaining Clips
		P-148-143	Tender Steam Heat Equipment
		P-148-145	Headlight Cases
		P-148-146	Air Whistles
		P-148-146-B	Steam Whistle Valves
		P-148-147	Journal Box Lids
		P-148-148	Steam Heat Stop Valves
		P-148-149	Oil Distributors Four Way



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Westinghouse Air Brake Co.  
1101 Mason Building  
San Francisco, California

Order No. P-348.1 Pg 1

August 8, 1940

Please supply the articles named below and send them to

Lima Locomotive Works, Inc.  
Lima, Ohio

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive and Tender Sets of Air Brake and Air Signal Equipment, in accordance with Specialty Specification SSL 191 modified as follows for application to 20 Locomotives, Class GS-4, and 20 tenders, Class 235-M-1.

Page

- 2 Omit 2 Westinghouse Air Brake Company's Pc. No. 507894  
1" Three Way Cocks for Intercooler
- 2 Change 1 Westinghouse Air Brake Company's Pc. No. 510769  
1" Air Filter to 1 Westinghouse Air Brake Company's Pc. No. 513550 1-1/4" Air Filter with drain cock and reinforced flanged fittings (M.R. line)
- 3 Change 1 Westinghouse Air Brake Company's Pc. No. 508479  
1" x 1" x 1" Branch Pipe Tee to 1 Westinghouse Air Brake Company's Pc. No. 511544 1-1/4" x 1" x 1" Branch Pipe Tee with reinforced flanged fittings (M.R. to D.V.)
- 3 Change 1 Westinghouse Air Brake Company's Pc. No. 513616  
1" cut-out cock to 1 1-1/4" cut-out cock, side vented with reinforced flanged fittings and governor union connections (M.R.)
- 6 Change 2 Westinghouse Air Brake Company's Pc. No. 513724  
16" x 12" UABS Brake Cylinders to 4 12" x 10" Type "U" Truck Mounted Brake Cylinders
- 6 Add 2 Westinghouse Air Brake Company's Pc. No. 511911 7/8" x 27" Armored Hose with 3/4" threaded and Union Nipples
- 7 Change 1 Westinghouse Air Brake Company's Pc. No. 508119 to 1 Westinghouse Air Brake Company's Pc. No. 512618 Electro-Pneumatic Master Controller.

CONTINUED

Purchasing Agent.

## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

Order No. P-148-1 Pg 2

Westinghouse Air Brake Co.  
1101 Natson Building  
San Francisco, California

Please supply the articles named below and send them to

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

PRICE: To be \$3853.86 per Locomotive and Tender Set F.O.B. Delivered  
Shipment from Wilmerding, Pa.

BID: SPL 235-1 TERMS: Net Cash

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Tender Sets Nov. 1st - 4 Tender Sets per week thereafter

4 Loco. Sets Dec. 2nd - 4 Loco. Sets per week thereafter

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E. Co. Order No. P-148-1 Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated Shipping Weight per Locomotive and Tender Set 9800#.

(SGD) G.M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Standard Steel Works Divn.  
Baldwin Locomotive Works  
c/o Latham McMullin  
Russ Bldg.  
San Francisco, Calif.

Order No. P-148-2

August 8, 1940

Please supply the articles named below and send them to Lima Locomotive Works, Inc.  
Lima, Ohio

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Tender Sets of Tender Axles for application to 20 Tenders, Class 235-R-1 in accordance with A.A.R. Spec. K-104 Latest Revision Class "A" and Drg. BL-16762-C.

Each Tender Set to consist of the following:

Six (6) Tender Truck Axles (7" x 14" journals)

Axles to be furnished rough turned only.

Microscopic Test to be made by you.

PRICE: To be \$568.32 per Tender Set F.O.B. Delivered  
Shipment from Burnham, Pa.BID: SPL 235-2 TERMS: 1/2% 10 Da.TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

Two copies of Mill Test Report to be sent to Mr. Geo. McCormick, Attn. Mr. D. Wood, 65 Market Street, San Francisco, Calif., one copy to be sent to Equipment Company's Chief Inspector at Locomotive Builder's plant and one copy to be attached to your invoice.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets Nov. 1st

4 Sets per week thereafter

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E. Co. Order No. P-148-2 Lima Locomotive Works Order No. C.O. 1152".SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.WEIGHT: Estimated shipping weight  
per Tender Set 9300#.(Sd) C. M. BETTERTON  
Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENTMagnus Metals Corporation  
6135 So. Riverside Drive,  
Los Angeles, California.

Order No. P-148-3 Pg 2

Please supply the articles named below and send them to

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

---

IMPORTANT: Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

---

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

10 Locomotive Sets October 15th  
10 Locomotive Sets November 1st  
4 Tender Sets November 1st  
4 Tender Sets per week thereafter

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-3 Lima Locomotive Works Order No. C.O. 1152"

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated Shipping Weight per Locomotive and Tender Set 3644#

(SGD) G. M. BETTERTON  
Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Magnus Metals Corporation,  
6135 So. Riverside Drive,  
Los Angeles, California.

Order No. P-148-3 Pg 1

August 8, 1940

Please supply the articles named below and send them to Lima Locomotive Works, Inc.,  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

---

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive and Tender Sets of Engine Truck, Driving and Trailing Truck and Tender Truck Journal Bearings, for Locomotives, Class GS-4, Each Locomotive set to consist of the following:

Four (4) Engine Truck Journal Bearings (7 1/2" x 14") Pattern No. LB 8557 per drwg. CL-18049 B

Six (6) Driving Journal Bearings (12" x 14") Pattern No. LB 7840 per drwg. BL-16481 M

Two (2) Driving Journal Bearings (13" x 14") Pattern No. LB 7842 per drwg. BL-16481 M

Two (2) Trailing Truck Journal Bearings (Front 7" x 14") Pattern No. LB 8556 per drwg. CL-18049 B

Two (2) Trailing Truck Journal Bearings (Rear 9" x 14") Pattern No. LB 8562 per drwg. CL-18049 B

Each Tender set to consist of the following:

Twelve (12) Tender Truck Journal Bearings (7" x 14") Pattern No. LB 10014 per drwg. BL-18051E

Driving Journal Bearings to be furnished rough and finished by Locomotive Builder. Engine, trailing and tender truck journal bearings to be of the Satco self-cooling oil tube type and to be furnished finished and ready for application.

PRICE: To be \$672.52 per Locomotive and Tender Set F.O.B. Delivered. Shipment from Chicago, Ill.BID: SPL 235-3 TERMS: Net CashTAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

CONTINUED

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

American Brake Shoe & Foundry Co.  
Russ Bldg.,  
San Francisco, California.

Order No. P-148-5 Pg. 1

August 8, 1940

Please supply the articles named below and send them to Lima Locomotive Works, Inc.,  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.20 Locomotive and Tender Sets of Brake Shoes for Locomotives,  
Class GS-4, and Tenders, Class 235-R-1. Each locomotive and  
Tender Set to consist of the following:

- 5 - Driver Brake Shoes, Patt. No. L.I.-10173, for 80" Dia.  
drivers, in accordance with drawing B.L.-16711-C.
- 2 - Trailer Brake Shoes, Patt. No. L.I.-10172, for 45-1/2" Dia.  
trailer wheel, in accordance with drawing B.L.-16710-C.
- 4 - Engine Truck Brake Shoes, Patt. No. L.I.-10222 for 36" Dia.  
engine truck wheel in accordance with drawing B.L.-16813.
- 24 - Tender Brake Shoes, Pattern No. P.I.-2840, for 36" Dia.  
tender wheel in accordance with drawing BP-21630-A.

**PRICE:** To be \$44.09 per Locomotive & Tender set F.O.B. Delivered.  
Shipment from Toledo, Ohio**BID:** SPL 235-5 **TERMS:** Net Cash**TAXES:** Material covered by this order is to be used in the fabrication in  
transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore  
no State Sales or Use Taxes are applicable.**INSPECTION:** All material covered by this order subject to inspection by  
Southern Pacific Equipment Company's Inspector at the Locomotive Builder's  
Plant.**DELIVERY:** Material on this order is required at Builder's Plant in accordance  
with the following delivery schedule:

- 4 Tender Sets November 1st
- 4 Tender Sets per week thereafter
- 4 Locomotive Sets December 2nd
- 4 Locomotive Sets per week thereafter

**MARKING:** For identification purposes all shipments on this order are to be  
marked: "S.P.E.Co. Order No. P-148-5 Lima Locomotive Works Order No.C.O.1152"CONTINUED

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENTAmerican Brake Shoe & Foundry Co.,  
Russ Building  
San Francisco, California.

Order No. P-148-5 Pg. 2

Please supply the articles named below and send them to

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

---

IMPORTANT: Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc.  
Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Rm. 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated Shipping Weight Per Locomotive and Tender Set 1368#

(SGD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

National Malleable & Steel Castings, Co.,  
% J. J. Byers,  
Monadnock Building,  
San Francisco, California.

Order No. P-148-S

August 8, 1940

Please supply the articles named below and send them to Lima Locomotive Works, Inc.,  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

---

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.20 Locomotive Sets of A.A.R. Type "E" Couplers, per A.A.R. Spec. M-204-39,  
for application to 20 locomotives, Class GS-4 :-  
Each locomotive requires one A.A.R. Type "E" Coupler, complete as per  
drawing A1 16702 BPRICE: to be \$31.65 per Locomotive Set F.O.B. Delivered.

Shipment from Melrose Park, Ill.

BID: SPL 235-8TERMS: Net CashTAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

Two copies of Mill Test Report to be sent to Mr. Geo. McCormick, Attn. Mr. D. Wood, 65 Market Street, San Francisco, Calif., one copy to be sent to Equipment Company's Chief Inspector at Locomotive Builder's plant and one copy to be attached to your invoice.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets December 2nd

4 Sets Per Week Thereafter

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-S Lima Locomotive Works Order No. C.O. 1152".SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market St., San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.WEIGHT: Estimated Shipping Weight per Locomotive Set 410#.

(SIGNED) G M BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

W. H. Miner, Inc.  
667 Rookery Bldg.,  
Chicago, Ill.

Order No. P-148-15

August 8, 1940

Please supply the articles named below and send them to

Lima Locomotive Works, Inc.  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

IMPORTANT: Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Tender Sets Miner Ideal Safety Hand Brake in accordance with Drawing B. L.- 14651 for application to 20 tenders Class 235-R-1. Each tender requires one Hand Brake complete. Pattern D-2824.

PRICE: To be \$12.75 per Tender Set F.O.B. Delivered  
Shipment from Benton Harbor, Mich.

BID: SPL 235-15 TERMS: Net Cash

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets November 15th

4 Sets per week thereafter

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No.P-148-15 Lima Locomotive Works Order No.C.O.1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I.C.Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Tender Set 40#.

(SGD) G.M. BETTERTON  
Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Locomotive Equipment Division,  
Manning, Maxwell & Moore, Inc.,  
Chrysler Building,  
New York City, N. Y.

Order No. P-148-101

August 8, 1940

Please supply the articles named below and send them to Lima Locomotive Works, Inc.,  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets of Back Pressure Gages, 6-3/4" dial combined steam chest and back pressure gage, Type 1043, per attached drawing CL-17963 C. graduated 0-500 lbs. Working steam pressure to be 300 lbs. per sq. in. Gauge to have Iron Case and Brass Ring.

**PRICE:** To be \$23.90 per Locomotive Set F.O.B. Delivered.  
Shipment from Bridgeport, Conn.

**BID:** SPL 235-101 **TERMS:** Net Cash.

**TAXES:** Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

**INSPECTION:** All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

**DELIVERY:** Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets December 2nd

4 Sets per week thereafter

**MARKING:** For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-101 Lima Locomotive Works Order No.C.O.1152"

**SHIPPING NOTICES:** Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I.C.Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market St., San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

**WEIGHT:** Estimated shipping weight per Locomotive Set 10#

(Sgd.) G. M. BETTERTON  
Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Order No. P-148-102

August 8, 1940

Transportation Devices Corporation,  
Indianapolis, Indiana

Please supply the articles named below and send them to      Lima Locomotive Works, Inc.  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets Transportation Devices Corp. Internal Quick Acting Bell Ringers, in accordance with drawing CL 18267, for application to 20 locomotives, Class G. S.-4, each requiring one bell ringer.

PRICE: To be \$14.25 per Locomotive Set F.O.B. Delivered.  
Shipment from Indianapolis, Ind.

BID: SPL 235-102      TERMS: Net Cash

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

5 Sets December 2nd  
5 Sets December 9th  
5 Sets December 16th  
5 Sets December 26th

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-102 Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc. Attn. Mr. I.C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Locomotive Set 13%.

(SGD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

C O P Y

G. M. BETTERTON,  
PURCHASING AGENTPittsburgh Steel Company  
c/o R. D. Hawley  
Crocker Building  
San Francisco, Calif.

Order No. P-148-103

August 9, 1940

Please supply the articles named below and send them to Lima Locomotive Works, Inc.  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

---

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

- 4 Locomotive sets Hot Finished Seamless Steel Locomotive Boiler Tubes and Superheater Flues, for application to 20 locomotives, Class G.S.-4. Each Locomotive requires 49 tubes 2-1/4" outside Dia. No.10 B.W.G. 21' - 7-1/2" long and 198 Flues 3-1/2" outside Dia. No.10 B.W.G. 21' - 7-1/2" long, swaged at one end in accordance with Drawing C.L.-13792-J and A.A.R. Spec. M-108-39.

PRICE: To be \$1450.00 per Locomotive Set F.O.B. Delivered  
Shipment from Allentown, Pa.

BID: SPL 235-103

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

Two copies of Mill Test Report to be sent to Mr. Geo. McCormick, Attn. Mr. D. Wood, 65 Market Street, San Francisco, Calif., one copy to be sent to Equipment Company's Chief Inspector at Locomotive Builder's plant and one copy to be attached to your invoice.

DELIVERY: Material on this order is required at Builder's Plant on Nov. 1st.

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-103 Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I.C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping Notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Locomotive Set 27,048#.

(SGD) G M BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

C O P Y

G. M. BETTERTON,  
PURCHASING AGENTJones Laughlin Steel Corporation,  
Standard Oil Building,  
225 Bush Street,  
San Francisco, California.

Order No. P-148-103-A

August 9, 1940

Please supply the articles named below and send them to

Lima Locomotive Works, Inc.  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

- 4 Locomotive Sets Hot Finished Seamless Steel Locomotive Boiler Tubes and Superheated Flues, for application to 20 locomotives, Class G.S.-4. Each locomotive requires 49 tubes 2-1/4" outside Dia.No.10 B.W.G. 21' 7-1/2" long and 198 Flues 3-1/2" outside Dia.No.10 B.W.G. 21' 7-1/2" long, swaged at one end in accordance with drawing C.L.-13792-J and A.A.R.Spec. M-108-39.

PRICE: To be \$1450.00 per Locomotive Set F.O.B. Delivered.  
Shipment from Pittsburgh, Pa.

BID: SPL 235-103

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

Two copies of Mill Test Report to be sent to Mr. Geo. McCormick, Attn. Mr. D. Wood, 65 Market Street, San Francisco, Calif., one copy to be sent to Equipment Company's Chief Inspector at Locomotive Builder's plant and one copy to be attached to your invoice.

DELIVERY: Material on this order is required at Builder's Plant on Nov. 8th.

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-103-A Lima Locomotive Works Order No. C.C. 1152"

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc. Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Locomotive Set 27,048#.

(SGD) G M BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Steel & Tubes, Inc.  
Rialto Building,  
San Francisco, Calif.

Order No. P-148-103-B

August 9, 1940

Please supply the articles named below and send them to

Lima Locomotive Works, Inc.  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

IMPORTANT: Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

4 Locomotive Sets Hot Finished Seamless Steel Locomotive Boiler Tubes and Superheated Flues, for application to 20 locomotives, Class G.S.-4. Each locomotive requires 48 tubes 2-1/4" outside Dia. No. 10 B.W.G. 21'- 7-1/2" long and 198 Flues 3-1/2" outside Dia. No. 10 B.W.G. 21' - 7-1/2" long, swaged at one end in accordance with drawing C.L.-13792-J, and A.A.R.Spec. M-108-39.

PRICE: To be \$1476.58 per Locomotive Set F.O.B. Delivered  
Shipment from Cleveland, Ohio.

BID: SPL 235-103

TERMS: 2% 10 Da. on B.P.V. of \$1403.37 Set

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

Two copies of Mill Test Report to be sent to Mr. Geo. McCormick, Attn. Mr. D. Wood, 65 Market Street, San Francisco, Calif., one copy to be sent to Equipment Company's Chief Inspector at Locomotive Builder's plant and one copy to be attached to your invoice.

DELIVERY: Material on this order is required at Builder's Plant on Nov. 15th.

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-103-B Lima Locomotive Wks. Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn.

Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market St., San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Locomotive Set 27,048#.

(SGD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

C O P Y

G. M. BETTERTON,  
PURCHASING AGENTColumbia Steel Company,  
Russ Building,  
San Francisco, California.

Order No. P-148-103-C

August 9, 1940

Please supply the articles named below and send them to

Lima Locomotive Works, Inc.  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

- 8 Locomotive Sets Not Finished Seamless Steel Locomotive Boiler Tubes and Superheated Flues, for application to 20 locomotives, Class G.S.-4. Each locomotive requires 49 tubes 2-1/4" outside Dia. No. 10 B.V.G. 21' - 7-1/2" long and 198 Flues 3-1/2" outside Dia. No. 10 B.V.G. 21' - 7-1/2" long, swaged at one end in accordance with drawing C.L.-13792-7 and A.A.R. Spec. M-108-39.

**PRICE:** To be \$1450.00 per Locomotive Set F.O.B. Delivered.  
Shipment from Elwood City, Pa.

**BID:** SPL 235-103

**TAXES:** Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

**INSPECTION:** All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

Two copies of Mill Test Report to be sent to Mr. Geo. McCormick, Attn. Mr. D. Wood, 65 Market Street, San Francisco, Calif., one copy to be sent to Equipment Company's Chief Inspector at Locomotive Builder's Plant and one copy to be attached to your invoice.

**DELIVERY:** Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets November 22nd

4 Sets November 25th

**MARKING:** For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-103-C Lima Locomotive Works Order No. C.L. 1132"

**SHIPPING NOTICES:** Send in triplicate to Lima Locomotive Works, Inc. Attn. Mr. I.C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Rm. 952, 65 Market St., San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and details of contents.

**WEIGHT:** Estimated Shipping Weight Per Locomotive Set 27,048#.

(SGD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Nathan Manufacturing Co.,  
c/o H G Cook  
Hobart Building  
San Francisco, California.

Order No. P-148-104

August 8, 1940

Please supply the articles named below and send them to Lima Locomotive Works, Inc.,  
Lima, Ohio,

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets Boiler Drop Plugs as shown on Drg. AL 18639 for application to 20 locomotives, Class G.S.-4 each requiring five Boiler Drop Plugs.

PRICE: To be \$4.50 per Locomotive Set F.O.B. Delivered.

Shipment from New York City

BID: SPL 235-104 TERMS: 2% - 10 da.

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant Nov. 1st.

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-104 Lima Locomotive Works Order No. C.O. 1152"

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I.C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated Shipping weight per loco Set 10#.

(SGD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

C O P Y

G. M. BETTERTON,  
PURCHASING AGENTFranklin Railway Supply Co.,  
60 East 42nd Street,  
New York City, N. Y.

Order No. P-148-105

August 8, 1940

Please supply the articles named below and send them to Lima Locomotive Works, Inc.,  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

IMPORTANT: Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets of Booster Engines and Type C-2-S equipment complete, to be operated at 50% cut-off by superheated steam at 300 lbs. per sq. in. pressure, to drive rear pair of wheels of four wheel trailing truck with 45-1/2" Dia. wheels. Pilot Fibrous packing to be applied to all pipe ball joints similar to drawings S.L. 17670 and S.L. 17671. Each locomotive, Class G.S.-4 requires one Booster.

PRICE: To be \$7334.80 per Locomotive Set F.O.B. Delivered.  
Shipment from Woodberry, Baltimore, Md.

BID: SPL 235-105 TERMS: Net Cash

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets November 15th

4 Sets per week thereafter

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-105 Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I.C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per locomotive Set 8000#.

(SGD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

C O P Y

G. M. BETTERTON,  
PURCHASING AGENTFranklin Railway Supply Co.  
60 E. 42nd St.  
New York, N.Y.

Order No. P-148-106

August 8, 1940

Please supply the articles named below and send them to Lima Locomotive Works, Inc.  
Lima, Ohio

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

IMPORTANT: Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive and Tender Sets of Spring Type E-2 Radial Buffers complete, in accordance with Drawing DL-18082-B, modified to suit application to 20 locomotives Class G.S.-4 and 20 tenders, Class 235-R-1. Each locomotive and tender set consists of one Radial Buffer assembly. Springs to be marked with maker's trade-mark and date of manufacture.

PRICE: To be \$310.75 per Locomotive Set F.O.B. Delivered  
Shipment from Woodberry, Baltimore, Md.

BID: SPL 235-106 TERMS: Net Cash

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets Dec. 2nd

4 Sets per week thereafter

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E. Co. Order No. P-148-106 Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated Shipping Weight per Locomotive Set 1400#.

(SGD) G.M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Franklin Railway Supply Company  
60 East 42nd Street  
New York City, N. Y.

Order No. P-148-107

August 9, 1940

Please supply the articles named below and send them to

Lima Locomotive Works, Inc.  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets of Franklin Sleeve Joints for application to 20 locomotives, Class G.S.-4, each requiring:

1 Set 5/4", Complete for Steam as per Drawing D.L. 18044 C
1 Set 2 " " " Oil " " " D.L. 18043 C
1 Set 2 1/2 " " " Steam " " " D.L. 18035 B

**PRICE:** To be \$153.21 per Locomotive Set F.O.B. Delivered  
Shipment from Woodberry, Baltimore, Md.

**BID:** SPL 235-107 **TERMS:** Net Cash

**TAXES:** Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

**INSPECTION:** All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

**DELIVERY:** Material on this order is required at Builder's Plant in accordance with the following delivery schedule.

4 Sets December 2nd

4 Sets per week thereafter

**MARKING:** For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-107 Lima Locomotive Works Order No. C.O. 1152".

**SHIPPING NOTICES:** Send in triplicate to Lima Locomotive Works, Inc., Attn: Mr. I.C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

**WEIGHT:** Estimated Shipping Weight Per Locomotive Set 275#.

(SUD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Standard Steel Works Divn.  
Baldwin Locomotive Works  
c/o Latham McMullin  
Russ Bldg.  
San Francisco, California

Order No. P-148-108

August 9, 1940

Please supply the articles named below and send them to

Lima Locomotive Works, Inc.  
Lima, Ohio

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets of Main Crank Pins per Specification C.S.-2 Latest Revision and marked print of Drg. BL-17367-E, for application to 20 locomotives, Class GS-4.

Each locomotive set to consist of two main crank pins.

Main crank pins are to be furnished rough turned only and with hollow bore rebores smooth after heat treatment.

Microscopic Test to be made by you.

PRICE: To be \$127.71 per Locomotive Set F.O.B. Delivered  
Shipment from Burnham, Pa.

BID: SPL 235-108 TERMS: 1/2% 10 Da.

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

Two copies of Mill Test Report to be sent to Mr. Geo. McCormick, Attn. Mr. D. Wood, 65 Market Street, San Francisco, Calif., one copy to be sent to Equipment Company's Chief Inspector at Locomotive Builder's plant and one copy to be attached to your invoice.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets Nov. 1st

4 Sets per week thereafter.

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E. Co. Order No. P-148-108 Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated Shipping Weight  
per Locomotive Set 1230#.

SGD.) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Southern Pacific Company,  
c/o Mr. A. S. McKelligon  
Southern Pacific Building,  
San Francisco, Calif.

Order No. P-148-109

August 9, 1940

Please supply the articles named below and send them to one set to Lima Locomotive Works at Lima, Ohio, and 19 sets to Lima Locomotive Works, c/o S.P. Equipment Company, El Paso, Texas.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets of Air Operated Cylinder Cocks, complete, per drawing 20224 D Book 675. Each locomotive, Class G.S.-4 requires four cylinder cocks.

PRICE: To be 1 set at \$20.90 per Locomotive Set and 19 sets at \$19.87 per Locomotive Set, F.O.B. Delivered.

Shipment from Sacramento, Calif.

BID: SPL 235-109 TERMS: Net Cash

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: 1 Set of material on this order is required at Builder's Plant by Dec. 2nd, consolidate in shipment with Tire Clips on order P-148-142. Balance required at El Paso by December 15th.

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-109 Lima Locomotive Works Order No. C.O.1152"

SHIPPING NOTICES Send in triplicate to Lima Locomotive Works, Inc. Attn. Mr. I.C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated Shipping Weight Per Locomotive Set 70#.

(SCD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

c o p y

Locomotive Equipment Divn.,  
Manning, Maxwell & Moore  
Chrysler Building  
New York City, N. Y.

Order No. P-148-110

August 9, 1940

Please supply the articles named below and send them to Lima Locomotive Works, Inc.,  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

IMPORTANT: Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

- 20 Locomotive Sets of American Dial Thermometers Type 603RB as shown in Ashcroft American Bulletin No. 177, 4 $\frac{1}{2}$ " dial diameter; 0° to 300°F graduations (black dial with white markings and graduations); 25 ft. long bronze double armored connecting tubing; bottom connection on case; cast iron case; 3/4" union connection bronze bulb type 642 with standard 6" length to connect into 1 $\frac{1}{2}$ " tee with bulb projecting into 1 $\frac{1}{2}$ " pipe line. Each locomotive, Class GS-4 requires one Dial Thermometer for purpose of measuring fuel oil temperature.

PRICE: To be \$81.60 per Locomotive Set F.O.B. Delivered.  
Shipment from Bridgeport, Conn.

BID: SPL 255-110 TERMS: Net Cash

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets December 2nd

4 Sets per week thereafter

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-110 Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc. Attn. Mr. I.C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Rm. 952, 65 Market St., San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Locomotive Set 10#.

(SGD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENTGeneral Steel Castings Corp  
Granite City, Ill.

Order No. P-148-111 Pg. 2

Please supply the articles named below and send them to

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

---

IMPORTANT: Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

---

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets November 15th

4 Sets per week thereafter

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-111 Lima Locomotive Works Order No. C.C. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc. Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Locomotive Set 4500//

---

(Sgd) G.M. BETTERTON  
Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

General Steel Castings Corp.  
Granite City, Illinois

Order No. P-148-111 Pg. 1

August 9, 1940

Please supply the articles named below and send them to Lima Locomotive Works, Inc.,  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

30 Locomotive Sets, Four Wheel Engine Trucks, complete with two wearing plates, per Drg. DL-17809-B, for application to 30 locomotives, Class GS-4.

Each locomotive set to consist of:

- 1 - Engine Truck Frame, Patt. No. LS-10386 per Drg. DL-18046, complete with 8 brake hanger pin bushings, 2 brake lever pin bushings and 2 rocker seat wearing plates.
- 1 - Engine Truck Bolster, Patt. No. LS-10387 per Drg. DL-18045, complete with 2 top rocker bearings, 4 links and 4 link pins.
- 2 - Engine Truck Rockers, Patt. No. LS-10388 per Drg. DL-18025.
- 8 - Engine Truck Pedestal Liners per Drg. AL-18032.
- 8 - Engine Truck Pedestal Liner Bolts per Drg. AL-16400-A.

Weight on engine truck to be approximately 83,300 lbs.

NOTE: Ex-Cell-O Bushings to be furnished and applied instead of regular grade case hardened steel bushings.

PRICE: To be \$860.00 per Locomotive Set F.O.B. Delivered  
Shipment from Granite City, Ill. or Eddystone, Pa.

BID: SPL 235-111 TERMS: Net Cash

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

Two copies of Mill Test Report to be sent to Mr. Geo. McCormick, Attn. Mr. D. Wood, 65 Market Street, San Francisco, Calif. one copy to be sent to Equipment Company's Chief Inspector at Locomotive Builder's plant and one copy to be attached to your invoice.

CONTINUED

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

C O P Y

G. M. BETTERTON,  
PURCHASING AGENTNational Malleable & Steel Casting Co.  
c/o J. J. Byers  
Monadnock Bldg.  
San Francisco, California

Order No. P-148-112

August 9, 1940

Please supply the articles named below and send them to Lima Locomotive Works, Inc.  
Lima, Ohio

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets of Front Draw Castings in accordance with Drawing A.L.-17477D, for application to 20 locomotives Class G.S.-4. Each locomotive requires one front draw casting. (Nat'l. Mall. & Steel Cast. Co. Drg. 27473-B.)

PRICE: To be \$49.55 per Locomotive Set F.O.B. Delivered  
Shipment from Sharon, Pa.

BID: SPL 255-112 TERMS: Net Cash

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

Two copies of Mill Test Report to be sent to Mr. Geo. McCormick, Attn. Mr. D. Wood, 65 Market Street, San Francisco, Calif., one copy to be sent to Equipment Company's Chief Inspector at Locomotive Builder's plant and one copy to be attached to your invoice.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets Dec. 2nd

4 Sets per week thereafter.

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E. Co. Order No. P-148-112 Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 852, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated Shipping Weight per Locomotive Set 503#.

(SGD.) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Standard Steel Works Divn.  
Baldwin Locomotive Works  
c/o Latham McMullin  
Russ Building  
San Francisco, California.

Order No. P-148-113 Pg. 1

August 9, 1940

Please supply the articles named below and send them to Lima Locomotive Works, Inc.  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets of Driving, Engine Truck and Trailing Truck Axles per Spec. CS-2 latest Revision and in accordance with the following drawings for application to 20 locomotives, Class CS-4.  
Each locomotive Class G.S.-4 requires:

- 2 - Engine Truck Axles (7½" x 14" journals) per Drg. AL-17359-C
- 3 - Driving Axles (12" x 14" Journals) per Drg. BL-18683
- 1 - Driving Axle (13" x 14" journals, Main) per Drg. AL-18215-C
- 1 - Trailing Truck Axle (7" x 14" journals, Front) per Drg. BL-15876-A
- 1 - Trailing Truck Axle (9" x 14" journals, Back) per Drg. AL-18685-A

Axles to be furnished rough turned only and with hollow bores in driving axles and rear trailing axle rebored smooth after heat treatment.

Microscopic Test to be made by you.

PRICE: To be \$946.42 per Locomotive Set F.O.B. Delivered.  
Shipment from Burgham, Pa.

BID: SPL 235-113 TERMS: 1/2% 10 da.

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

Two copies of Mill Test Report to be sent to Mr. Geo. McCormick, Attn. Mr. D. Wood, 65 Market Street, San Francisco, Calif., one copy to be sent to Equipment Company's Chief Inspector at Locomotive Builder's plant and one copy to be attached to your invoice.

CONTINUED

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENTStandard Steel Works Divn.  
Baldwin Locomotive Works  
c/o Latham McMillin  
Russ Building  
San Francisco, California.

Order No. P-148-113 Pg. 8

Please supply the articles named below and send them to

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

---

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

---

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

10 Sets November 1st

10 Sets November 15th

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-113 Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc. Attn. Mr. I.C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Locomotive Set 14,200#

---

(SGD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Nathan Manufacturing Co.  
c/o H. G. Cook  
Hobart Building  
San Francisco, California

Order No. P-148-114 Pg 1

August 9, 1940

Please supply the articles named below and send them to

Lima Locomotive Works, Inc.  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

- 20 Locomotive Sets of Feed Water Equipment in accordance with Drawing BL-19538 and the following detail drawings and suitable for 300 lbs. working boiler pressure for Class G.S.-4, each locomotive requiring:
- 1 - Non-Lifting Injector, No. 17 Type HW, complete with automatic restarting overflow as per Drawing DL-14996-G and Nathan Drg. 4001, capable of supplying 10,000 gallons of water per hour to boiler carrying pressure of 300 lbs. per sq. in. Injector to be suitable for application on left or fireman's side of locomotive.
  - 1 - Cab Stand and Injector Operating Rods, complete as per Drawing A.L.-13105-C.
  - 1 - 3" Reversible Boiler Check with Stop Valve, Type FWR, complete with straight connection, as shown on Drawing CL-18120-A, except to have cushion type valve (for feedwater heater)
  - 1 - 3" Reversible Boiler Check with Stop Valve, Type FWR, complete with straight connection, as shown on Drawing CL-18120-A, except without spring (for injector).
  - 1 - 3" Injector Steam Valve Regrinding Type with outside bonnet and union ring similar to that shown on Drawing CL-18473, except that valve is to be of angle type with 5½" I.P. thread male inlet and bolted flange connection outlet with tailpiece for 3" O.D. copper tubing. Valve stem to be suitable for A.A.R. Universal Joint.
  - 1 - 3" Balanced Lever Starting Valve, complete as per Nathan Drg. 4095, Inlet Bolted Flange Steam Connection Tailpiece suitable for 3" O.D. copper tubing, and outlet connection suitable for coupling with No. 17 HW non-lifting injector steam inlet.
  - 1 - Feed Water Strainer, complete for 4" suction pipe complete as per Drawing DL-14288-C with 3" outlet bushing for injector.

PRICE: To be \$544.65 per Locomotive Set F.O.B. Delivered  
Shipment from New York, N.Y.

BID: SPL 235-114      TERMS: 2% 15 Da.

CONTINUED

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENTNathan Manufacturing Co.,  
c/o H. G. Cook  
Hobart Building  
San Francisco, California

Order No.

P-148-114 Pg 2

Please supply the articles named below and send them to

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

**TAXES:** Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

**INSPECTION:** All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

**DELIVERY:** Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets Nov. 1st

4 Sets per week thereafter.

**MARKING:** For identification purposes all shipments on this order are to be marked: "S.P.E. Co. Order No. P-148-114 Lima Locomotive Works Order No. C.O. 1152".

**SHIPPING NOTICES:** Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

**WEIGHT:** Estimated Shipping Weight per Locomotive Set 560#.

(SGD) G. M. BETTERTON  
Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Northington Pump & Machinery Corp.,  
224 Townsend Street.,  
San Francisco, Calif.

Order No. 148-115

August 9, 1940

Please supply the articles named below and send them to

Lima Locomotive Works, Inc.  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets Feed Water Heater Equipment Type 5 $\frac{1}{2}$ -SA suitable for superheated Steam at 300 lbs. per sq. in. pressure, in accordance with the following drawings for application to 20 locomotives, Class O.S.-4, each locomotive requiring:-

- 1 - Feed Water Heater per Drawing BL-18006
- 1 - Feed Water Heater Hot Water Pump per Drawing BL-17286 with standard type "SA" feed pump gage.
- 1 - Feed Water Heater Cold Water Pump per Drawing AL-17285-A.
- 1 - Two Pint Mechanical Lubricator for Hot Water Pump.

**PRICE:** To be \$3,000.00 per Locomotive Set F.O.B. Delivered.  
Shipment from Harrison, N.J.

**BID:** SPL 235-115**TERMS:** Net Cash

**TAXES:** Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

**INSPECTION:** All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

**DELIVERY:** Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets December 2nd

4 Sets per week thereafter

**MARKING:** For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-115 Lima Locomotive Works Order No. C.O. 1152".

**SHIPPING NOTICES:** Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Rm. 952, 65 Market St., San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

**WEIGHT:** Estimated shipping weight per Locomotive Set 3975#.

(SOD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

The Pyle National Company  
c/o H. G. Cook  
Hobart Building  
San Francisco, California

Order No. P-148-117

August 9, 1940

Please supply the articles named below and send them to Lima Locomotive Works, Inc.  
Lima, Ohio

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

---

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets Headlight Equipment, Turbo-Generator Type MO6 in accordance with the following specifications:-  
"Turbo-generator operated by superheated steam must be of 800 Watt minimum capacity capable of developing 32 Volts under full load at steam pressures ranging from 125 pounds to 325 pounds; the governor to properly regulate speed of turbine between this range of steam pressures, without the necessity for change of nozzle or Governor parts."  
Each locomotive Class G.S-4 requires one Turbo-Generator, Type MO6.

PRICE: To be \$150.00 per Locomotive Set F.O.B. Delivered  
Shipment from Chicago, Ill.

BID: SPL 235-117 TERMS: 1% 10 Da.

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets Dec. 2nd  
4 sets per week thereafter.

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E. Co. Order No. P-148-117 Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated Shipping Weight  
per Locomotive Set 245#.

(Sd) G. M. BETTERTON  
Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

The Pyle National Company,  
c/o H G Cook  
Hobart Building  
San Francisco, California.

Order No. 148-118 Pg. 1

August 9, 1940

Please supply the articles named below and send them to

Lima Locomotive Works, Inc.,  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive and Tender Sets Wiring Fixtures for application to 20 locomotives Class G.S.-4 and 20 Tenders, Class 235-R-1, in accordance with Drawing BL-18250A.

Each locomotive requires one locomotive set of wiring fixtures, Items 1 to 46 inclusive, as listed under heading "Locomotive Electric Material".

Each tender requires one tender set of wiring fixtures, Items 2 to 17 inclusive, (Item #1, Backup Lamps not required) as listed under heading "Tender Electric Material".

PRICE: To be \$327.11 per Locomotive and Tender Set F.O.B. Delivered  
Shipment from Chicago, Ill.

BID: SPL 235-118 TERMS: 5% 10 da.

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

- 4 Tender Sets Nov. 1st
- 4 Tender Sets per week thereafter
- 4 Locomotive Sets Dec. 2nd
- 4 Locomotive Sets per week thereafter

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E. Co. Order No. P-148-118 Lima Locomotive Works Order No. C.O. 1152"

~~CONFIDENTIAL~~

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENTThe Pyle National Company  
c/o H G Cook  
Hobart Building,  
San Francisco, California.

Order No. 148-118 Pg. 2

August 9, 1940

Please supply the articles named below and send them to

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

---

IMPORTANT: Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

---

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents

WEIGHT: Estimated shipping weight per Locomotive and Tender 32000#.

(SGD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Quaker City Rubber Company,  
168 - 2nd Street,  
San Francisco, California.

Order No. P-148-119

August 9, 1940

Please supply the articles named below and send them to

Lima Locomotive Works, Inc.,  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets of Tank Hose for application to 20 locomotives Class G.S.-4. Each locomotive requires two 4-1/2" inside Dia. 66" long hose complete with four clamps as per drawing A.L.-12172-R. Hose must be in accordance with A.A.R. Specification M-606-38.

PRICE: To be \$17.11 per locomotive Set F.O.B. Delivered  
Shipment from Philadelphia, Pa.

BID: SPL 235-119 TERMS: 2% 10 da.

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets Dec. 2nd

4 Sets per week thereafter

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-119 Lima Locomotive Works Order No. C.O.1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Locomotive Set 48#.

(SGD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Order No. P-148-121

Nathan Manufacturing Company  
c/o H G Cook,  
Hobart Building  
San Francisco, California.

August 9, 1940

Please supply the articles named below and send them to

Lima Locomotive Works, Inc.,  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets of Mechanical Lubricators for application to 20 locomotives Class GS-4  
Each locomotive set to consist of - one (1) 14-Feed Type DV-7 36 pint capacity Mechanical Lubricator per Drg. DL-18467-A, to be applied on left side of locomotive for lubrication of Journals and Chassis.  
All inlets and outlets for 3/8" O.D. Copper Tubing to have Part #D-21186 Flared fitting with sleeve for 3/8" O.D. copper tubing instead of coupling nut #236 and Tailpiece #235.  
Terminal Checks not to be included.

PRICE: To be \$292.00 per Locomotive Set F.O.B. Delivered.  
Shipment from New York, N.Y.

BID: SPL 235-121 TERMS: 2% 15 da

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets Dec. 2nd

4 Sets per week thereafter

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-121 Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market St., San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Locomotive Set 290#.

(SGP) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENTNathan Manufacturing Co.,  
c/o E G Cock  
Robert Building  
San Francisco, Calif.

Order No. P-148-121-A Pg. 2

August 9, 1940

Please supply the articles named below and send them to

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

---

IMPORTANT: Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Locomotive Set 195#.

(Sd) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Nathan Manufacturing Co.,  
c/o H. P. Cook  
Hobart Building  
San Francisco, Calif.

Order No. P148-121-A Pg. 1

August 9, 1940

Please supply the articles named below and send them to

Lima Locomotive Works, Inc.,  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive sets of mechanical lubricators for application to 20 locomotives Class GS-4.

Each locomotive set to consist of -

One (1) 8-feed Type DV-4, 20 pint capacity mechanical lubricator per Drg. SL-17751-A

Four (4) type "DA" Terminal Checks per Drg. SL-17751-A.

DV-4 lubricator to be applied on right side of locomotive for lubrication of main cylinders, steam chest, and top of main crosshead guides.

All inlets and outlets for 3/8" O.D. Copper Tubing to have Part #D-21185 flared fitting with sleeve for 3/8" O.D. Copper Tubing instead of coupling nut #236 and Tailpiece #235.

PRICE: To be \$242.00 per Locomotive Set F.O.B. Delivered.

Shipment from New York N.Y.

BID: SPL 235-121-A TERMS: 2% 15 daysTAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets December 2nd

4 Sets per week thereafter.

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-121-A Lima Locomotive Works Order No. C.O. 1152."

CONTINUED

Purchasing Agent.

## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Paxton-Mitchell Company  
Omaha, Nebraska

Order No. P-148-122

Please supply the articles named below and send them to Lima Locomotive Works, Inc.  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets of Piston Rod and Valve Stem Packing for application to 20 locomotives, Class G.S.-4, each locomotive requiring:

2 Sets 5-1/4" Piston Rod Packing as per Drg. C.L.-15824-C

2 Sets 2" Valve Stem Packing as per Drg. C.L.-1698-L

PRICE: To be \$46.50 per Locomotive Set F.O.B. Delivered.

Shipment from Omaha, Nebraska

BID: SPL 235-122 TERMS: Net Cash

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets December 2nd

4 Sets per week thereafter

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E. Co. Order No. P-148-122 Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Locomotive Set 200#.

(SMD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

American Locomotive Company,  
c/o Stephen G. Harwood  
Rialto Building  
San Francisco, California.

Order No. P-148-123

August 12, 1940

Please supply the articles named below and send them to

Lima Locomotive Works, Inc.  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets of Power Reverse Gear, Type "G" complete equipped for  
Alemite Lubricator in accordance with Drawing CL-18379, for application  
to 20 locomotives, Class G.S.-4.  
Each locomotive requires 1 set of Type "G" Power Reverse Gear with  
special Reverse Lever.

**PRICE:** To be \$242.84 per Locomotive Set F.O.B. Delivered  
Shipment from Richmond, Va.

**BID:** SPL 235-123      **TERMS:** Net Cash

**TAXES:** Material covered by this order is to be used in the fabrication in  
transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore  
no State Sales or Use Taxes are applicable.

**INSPECTION:** All material covered by this order subject to inspection by  
Southern Pacific Equipment Company's Inspector at the Locomotive Builder's  
Plant.

**DELIVERY:** Material on this order is required at Builder's Plant in  
accordance with the following delivery schedule:

4 Sets December 2nd

4 Sets per week thereafter

**MARKING:** For identification purposes all shipments on this order are to be  
marked: "S.P.E.Co. Order No. P-148-123 Lima Locomotive Works Order No.  
C.O. 1152".

**SHIPPING NOTICES:** Send in triplicate to Lima Locomotive Works, Inc., Attn.  
Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping  
notice to be sent to the undersigned at Room 952, 65 Market Street, San  
Francisco, Calif. Shipping notices to show package marking, date of ship-  
ment, point of origin, initials and car numbers, routing, and detail of  
contents.

**WEIGHT:** Estimated Shipping weight per Locomotive Set 722#.

(SGD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Ashton Valve Company,  
c/o Edw. Kenyon  
606 Howard Street,  
San Francisco, Calif.

Order No. P-148-124

August 9, 1940

Please supply the articles named below and send them to Lima Locomotive Works, Inc.  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

IMPORTANT: Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets Safety Valves for application to 20 locomotives,  
Class G.S.-4.  
Each locomotive requires:  
1 - 2" Safety Valve Type BC-12, per Drawing AL-18251-B (set at 310 lbs.)  
1 - 3-1/2" Safety Valve, per Drawing CL-16522, Muffler Style FC-10  
(set at 300 lbs.)  
1 - 3-1/2" Safety Valve, Open Pop Style FC (set at 302 lbs) per Drawing  
CL-16522

PRICE: To be \$144.03 per Locomotive Set F.O.B. Delivered  
Shipment from Cambridge, Boston, Mass.

BID: SPL 235-124 TERMS: Net Cash

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets December 2nd  
4 Sets per week thereafter

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-124 Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Rm. 952, 65 Market St., San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Locomotive Set 160#.

(SGD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

Order No. P-148-125 Pg. 2

Magnus Metal Corporation  
721 Railway Exchange  
Chicago, Ill.

Please supply the articles named below and send them to

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

---

IMPORTANT: Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

---

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-125 Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc. Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Locomotive and Tender Set 275#.

(SGD) G. M. BETTERTON

Purchasing Agent.

## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Magnus Metal Corporation  
721 Railway Exchange  
Chicago, Ill.

Order No. P-148-125 Pg. 1

August 9th, 1940

Please supply the articles named below and send them to  
Lima Locomotive Works, Inc.,  
Lima, Ohio

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive and Tender Sets of S.P. Spring Pad Journal Lubricators, as shown on Drg. DL-18247-C, except to be made of 50-50 Carpet Material, for application to 20 locomotives, Class GS-4 and Tenders, Class 235-R-1:

Each locomotive set to consist of the following:

- 4 - No. 22 lubricators for 7½" x 14" Engine Truck Journals
- 6 - No. 45 Lubricators for 12" x 14" Driving Journals
- 2 - No. 46 Lubricators for 13" x 14" Driving Journals (main)
- 2 - No. 18 Lubricators for 7" x 14" Trailing Truck Journals (front)
- 2 - No. 28 Lubricators for 9" x 14" Trailing Truck Journals (back)

Each Tender Set to consist of the following:

- 12 - No. 7 Lubricators for 7" x 14" Tender Journals.

PRICE: To be \$160.82 per Locomotive & Tender Set F.O.B. Delivered.  
Shipment from Chicago, Ill.

BID: SPL 235-125

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

- 4 Sets November 1st
- 4 Sets per week thereafter

CONTINUED

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

COPY

Viloco Railway Equipment Co., Inc.,  
611 McCormick Building,  
332 So. Michigan Ave.,  
Chicago, Ill.

Order No. P-148-126

Please supply the articles named below and send them to Lima Locomotive Works, Inc.,  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets Sanders to equip 20 locomotives Class G.S.-4 each requiring.

1 - No. 255 (latest type) Viloco Duplex Engineer's valve per Drg. BL-16940. Valve to be modified to provide for Sanding in front of all four pair of drivers in forward position (no backup sanders to be used and no Booster sanding position to be provided on this valve)

8 - Viloco single unit Reversible Sanders latest type FLA-317-A  
4 right hand and 4 left hand per Drg. CL-16941-B.

PRICE: To be \$72.50 per Locomotive Set F.O.B. Delivered  
Shipment from Benton Harbor Michigan

BID: SPL 235-126 TERMS: 1% 10 da.

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Co's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's plant in accordance with the following delivery schedule:

4 Sets Dec. 2nd - 4 Sets per week thereafter

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-126 Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I.C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Locomotive Set 150#.

(SGD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Graham-White Sander Corp.,  
Roanoke,  
Virginia.

Order No. P-148-126-A

August 9, 1940

Please supply the articles named below and send them to Lima Locomotive Works, Inc.,  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets Graham-White Booster Sanders. Each set to consist of -  
2 Type "D.A." Sand Traps complete with fittings.  
1 Type "E" Automatic Control Valve for sanding Booster equipped  
Trailer Wheels.

PRICE: To be \$25.00 per Locomotive Set F.O.B. Delivered.  
Shipment from Roanoke, Va.

BID: SPL 235-126 TERMS: Net cash

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets December 2nd  
4 Sets per week thereafter

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-126-A Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Locomotive Set 50#.

(SOD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

C O P Y

G. M. BETTERTON,  
PURCHASING AGENTElectro-Chemical Engineering Corp.,  
c/o H. G. Cook  
Hobart Building  
San Francisco, Calif.

Order No. P-140-127

August 12, 1940

Please supply the articles named below and send them to Lima Locomotive Works, Inc.,  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets Signal Foam-Meter, Model "G.E.S." in accordance with Drawing DL-18205-A, for application to 20 locomotives, Class G.S.-4, each requiring one Signal Foam-Meter.

PRICE: To be \$201.00 per Locomotive Set F.O.B. Delivered  
Shipment from Chicago, Ill.

BID: SPL 235-127 TERMS: 1 1/2 10 da.

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets December 2nd

4 Sets per week thereafter

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-140-127 Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Locomotive Set 125#.

(SCD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

C O P Y

G. M. BETTERTON,  
PURCHASING AGENTThe Okadee Company  
332 So. Michigan Ave  
Chicago, Ill.

Order No. P-148-128

August 12, 1940

Please supply the articles named below and send them to Lima Locomotive Works, Inc.,  
Lima, Ohio

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

IMPORTANT: Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets Smoke Box Front Hinges complete as per drawing C.L.17748 for application to 20 locomotives, Class G.S.-4.

Each locomotive requires:

- 1 - Upper Butt and Base per Drg. CL-16162-A
- 1 - Lower Butt and Base per Drg. CL-16162-A
- 1 - Upper Front Strap per Drg. CL-17749
- 1 - Lower Front Strap per Drg. CL-17749
- 2 - Hinge Pins 1-1/2" Dia. x 8-1/2" long under head, Drg. AL-15341-G
- 2 - Eye Bolts 9-1/4" long, threaded 7" as per Drg. AL-15341-G

Cored holes in castings must be sufficiently small to permit finishing to sizes shown on drawings.

PRICE: To be \$69.60 per Locomotive Set F.O.B. Delivered  
Shipment from Benton Harbor, Mich

BID: SPL 235-128 TERMS: 1 1/2 10 Da.

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Co's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets Nov. 1st - 4 Sets per week thereafter

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-128 Lima Locomotive Works Order No. C.O.1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I.C. Brentlinger, Purchasing Agt., Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Rm. 952, 65 Market St., San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Locomotive Set 200#.

(SGD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENTFlannery Bolt Company,  
c/o J P Armstrong,  
Russ Building  
San Francisco, Calif.

Order No. P-148-130 Pg 2

August 12, 1940

Please supply the articles named below and send them to

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

---

IMPORTANT: Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

---

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-130 Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Locomotive Set 7650%.

(SGD) G. M. BETTERTON

Purchasing Agent.

## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Flannery Bolt Company,  
c/o J. P. Armstrong,  
Russ Building,  
San Francisco, California.

Order No. P-148-130 Pg 1

August 12, 1940

Please supply the articles named below and send them to Lima Locomotive Works, Inc.,  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

IMPORTANT: Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets F.B.C. Telltale Flexible Staybolts complete with Caps and Sleeves for application to 20 locomotives, Class G.S.-4. Each locomotive requires one complete set of Staybolts as per Drawing CL-16733-F (based on column headed "GS-3")

10 Sets to be made of Ulster Staybolt Iron  
10 Sets to be made of Lewis Staybolt Iron

PRICE: To be \$1709.64 per Locomotive Set F.C.B. Delivered  
Shipment from Bridgeville, Pa.

BID: SPL 235-130

TERMS: 1/2% 10 da

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

Two copies of Mill Test Report to be sent to Mr. Geo. McCormick, attn. Mr. D. Wood, 65 Market Street, San Francisco, Calif., one copy to be sent to Equipment Company's Chief Inspector at Locomotive Builder's plant and one copy to be attached to your invoice.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets made of Ulster Iron	Nov. 1st
4 Sets -do-	Nov. 8th
2 Sets -do-	Nov. 15th
2 Sets Made of Lewis Iron	Nov. 15th
4 Sets -do-	Nov. 22nd
4 Sets -do-	Nov. 29th

CONTINUED

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Ashton Valve Company,  
c/o Edw. Kenyon,  
606 Howard Street  
San Francisco, Calif.

Order No. P-148-131

August 22, 1940

Please supply the articles named below and send them to

Lima Locomotive Works, Inc.,  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

IMPORTANT: Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets of Steam Gages in accordance with Drawing A.L.-1658C-2 for application to 20 locomotives Class G.S.-4, each requiring two Ashton #52 LBC 6-3/4" Iron Case Steam Gages with dial graduated to read 500 lbs. pressure.

PRICE: TO be \$24.33 per Locomotive Set F.O.B. delivered  
Shipment from Cambridge, Boston, Mass.

BID: SPL 235-131

TERMS: Net Cash

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets Dec. 2nd

4 Sets per week thereafter

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-131 Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I.C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Locomotive Set 22#.

(SGD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

C O P Y

G. M. BETTERTON,  
PURCHASING AGENTAshton Valve Company  
c/o Edw. Kenyon,  
606 Howard Street,  
San Francisco, Calif.

Order No. P-148-132

August 12, 1940

Please supply the articles named below and send them to Lima Locomotive Works, Inc.,  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

IMPORTANT: Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets of 4-1/2" dial Steam Heat Gages in accordance with Drawing A.L.-16581-B for application to 20 locomotives, Class G.S.-4, each requiring one Ashton #51-B Iron Case Steam Heat Gage.

PRICE: To be \$5.81 per Locomotive Set F.O.B. Delivered.  
Shipment from Cambridge, Boston, Mass.

EID: SPL 235-132 TERMS: Net Cash

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets December 2nd

4 Sets per week thereafter

NOTE: Consolidate shipments with Steam Gauges on order P-148-131

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-132 Lima Locomotive Works Order No. C.O. 1152"

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I.C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Locomotive Set 4#.

(SGD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Vapor Car Heating Company, Inc.,  
c/o H. D. Donnell,  
Hobart Building,  
San Francisco, California.

Order No. P-148-133

August 13, 1940

Please supply the articles named below and send them to Lima Locomotive Works, Inc.,  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets #239 Steam Heat Reducing Valves, in accordance with Drawing DL-16929-A, for application to 20 Locomotives, Class G.S.-4. Each locomotive requires one Steam Heat Reducing Valve.

PRICE: To be \$90.30 per Locomotive Set F.O.B. Delivered.  
Shipment from Chicago, Ill.

BID: SPL 235-133 TERMS: 1% 10 days

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets December 2nd

4 Sets per week thereafter

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-133 Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc. Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated Shipping Weight Per Locomotive Set 60#.

(SGD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

The Superheater Company,  
Peoples Gas Building  
Chicago, Ill.

Order No. P-148-134

August 13, 1940

Please supply the articles named below and send them to Lima Locomotive Works, Inc.,  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

IMPORTANT: Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

- 20 Locomotive Sets Type "E" Superheater Equipment and Multiple Throttle Equipment including Tangential Steam Dryer and Superheated Steam Pyrometer complete, in accordance with Specialty Specification SSL-195, each locomotive, Class G.S.-4 requiring:
- 1 - Complete Set Superheater Equipment
  - 1 - Complete Set Multiple Throttle
  - 1 - Model 496 Superheated Steam Pyrometer
  - 1 - Tangential Steam Dryer

PRICE: To be \$7474.36 per Locomotive Set F.O.B. Delivered  
 Shipment from Waterbury, Conn. of Pyrometer  
 Balance from Chicago, Ill.

BID: SPL 235-134

TERMS: Net Cash

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets of Pyrometers Dec. 2nd and 4 Sets per week thereafter

4 Complete sets of other material Nov. 1st and 4 sets per week thereafter.

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-134 Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Wks, Inc., Attn. Mr. I.C. Brentlinger, Pur. Agt., Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Rm. 952, 65 Market St., San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Locomotive Set 15850#.

(SGD) G.M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Locomotive Equipment Division,  
Manning, Maxwell & Moore, Inc.,  
Chrysler Building,  
New York City, N. Y.

Order No. P-148-135

August 13, 1940

Please supply the articles named below and send them to

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

---

IMPORTANT: Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

---

20 Locomotive Sets Tank Level Indicators in accordance with Ashcroft American Bulletin 175B, each locomotive Class G.S.-4 requires one Tank Level Indicator Type 1189T complete with air pressure reducing and relief valve (Type 2895) and air strainer (Type 2298).

PRICE: To be \$41.95 per Locomotive Set F.O.B. Delivered.  
Shipment from Bridgeport, Conn.

BID: SPL 235-135 TERMS: Net Cash

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets Nov. 1st

4 Sets per week thereafter

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-135 Lima Locomotive Works Order NO.C.O.1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. J. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Locomotive Set 7#.

---

(SGD) G. M. BETTERTON

Purchasing Agent.

## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

C. M. BETTERTON,  
PURCHASING AGENT

C O P Y

General Steel Castings Corp.,  
Granite City, Ill.

Order No. P-148-137 Pg. 1

August 16, 1940

Please supply the articles named below and send them to

Lima Locomotive Works, Inc.,  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets of Four Wheel Delta Type Trailing Truck Frames, together with Centering Device for application to 20 locomotives, Class G.S.-4.

Each locomotive requires:

- 1 - Trailing Truck Frame complete in accordance with Drg. SL-17072-B, modified to provide for use of Coil Springs at Equalizer dead ends.
  - 2 - Trailing Truck Centering Devices complete in accordance with Drg. CL-18278-B, including rocker plates per Drg. CL-18276-C, rocker seats per Drg. CL-18274-D, rockers per Drg. CL-18273-C, and rocker seat bearings per Drg. CL-18277-D.
- Ex-Cell-O Bushings to be furnished in the equalizer pin and Brake rigging pin holes instead of regular grade case hardened steel bushings.
- Weight on trailing truck to be approximately 109,400 lbs.

PRICE: To be \$1805.00 per Locomotive Set F.O.B. Delivered  
Shipment from Granite City, Ill., or Eddystone, Pa.

BID: SPL 235-137 TERMS: Net Cash

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

Two copies of Mill Test Report to be sent to Mr. Geo. McCormick, Attn. Mr. D. Wood, 65 Market Street, San Francisco, Calif., one copy to be sent to Equipment Company's Chief Inspector at Locomotive Builder's plant and one copy to be attached to your invoice.

CONTINUED

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

General Steel Castings Corp.,

Granite City, Ill.

Order No. P-148-137- Pg.2

August 13, 1940

Please supply the articles named below and send them to

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

IMPORTANT: Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets Nov. 15th

4 Sets per week thereafter

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co." Order No. P-148-137 Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Locomotive Set 9600#.

(JGD) G. M. BETTERTON

Purchasing Agent.

## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

C O P Y

G. M. BETTERTON,  
PURCHASING AGENTStandard Steel Works Division  
Baldwin Locomotive Works  
%Latham McMullin  
Russ Building  
San Francisco, Calif.

Order No. P-148-136 Pg. 1

August 13, 1940

Please supply the articles named below and send them to Lima Locomotive Works, Inc.  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

IMPORTANT: Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets Heat Treated Driving and Trailing Tires in accordance with Drg. AL-13294-W, for application to 20 locomotives, Class G.S.-4. Each locomotive requires:

- 8 - Tires 3 $\frac{1}{2}$ " thick for 73" Dia. Driving Wheel Centers.
- 4 - Tires 3- $\frac{3}{4}$ " thick for 38" Dia. Trailing Wheel Centers.

Tires to be furnished rough turned only and are to be in accordance with AAR Spec. M-106-34; driving tires to be Class "A" and trailing wheel tires to be Class "C".

PRICE: To be \$1092.89 per Locomotive Set F.O.B. Delivered  
Shipment from Burnham, Pa.

BID: SPL 235-136 TERMS: 1/2% 10 da.

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

Two copies of Mill Test Report to be sent to Mr. Geo. McCormick, Attn. Mr. D. Wood, 65 Market Street, San Francisco, Calif., one copy to be sent to Equipment Company's Chief Inspector at Locomotive Builder's plant and one copy to be attached to your invoice.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

- 4 Sets Nov. 1st
- 4 Sets per week thereafter

CONTINUED

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENTStandard Steel Works Division  
Baldwin Locomotive Works  
% Latham McMullin  
Russ Building  
San Francisco, Calif.

Order No. P-148-136 Pg 2

August 13, 1940

Please supply the articles named below and send them to

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

---

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

**MARKING:** For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-136 Lima Locomotive Works Order No. C.O. 1152".

**SHIPPING NOTICES:** Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

**WEIGHT:** Estimated shipping weight per Locomotive Set 15,400#.

(SGD) G. M. BETTERTON

Purchasing Agent.

## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Nathan Manufacturing Co.  
c/o H. G. Cook  
Hobart Bldg.  
San Francisco, California

Order No. P-148-138

August 13, 1940

Please supply the articles named below and send them to

Lima Locomotive Works, Inc.  
Lima, Ohio

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets of Water Gages without stems for 300 lbs. boiler pressure, Type "BXA" No. 5, in accordance with Drawing BL-17218-B, for application to 20 locomotives Class G.S.-4. Each locomotive requires two Water Gages.

PRICE: To be \$23.00 per Locomotive Set F.O.B. Delivered  
Shipment from New York, N.Y.

BID: SPL 235-138 TERMS: 2% 15 Da.

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 sets Dec. 2nd

4 sets per week thereafter.

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-138 Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Locomotive Set 34#.

(SGD) G. M. BETTERTON  
Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Standard Steel Works Divn.  
Baldwin Locomotive Works  
c/o Latham McFallin  
Russ Bldg.  
San Francisco, Calif.

Order No. P-148-139

August 13, 1940

Please supply the articles named below and send them to Lima Locomotive Works, Inc.  
Lima, Ohio

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets of Quenched and Tempered Engine Truck Wheels 36" Diam. in accordance with A.A.R. Tentative Specification for Heat Treated multiple wear wrought carbon steel wheels, Class "C", Circular DV-959, and Drg. AL-17360-B, for application to 20 locomotives, Class G.S.-4. Each locomotive requires 4 Engine Truck Wheels. Wheels to be furnished rough bored only.

PRICE: To be \$229.20 per Locomotive Set F.O.B. Delivered  
Shipment from Burnham, Pa.

BID: SPL 235-139 TERMS: 1/2% 10 Da.

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

Two copies of Mill Test Report to be sent to Mr. Geo. McCormick, Attn. Mr. D. Wood, 65 Market Street, San Francisco, Calif., one copy to be sent to Equipment Company's Chief Inspector at Locomotive Builder's plant and one copy to be attached to your invoice.

DELIVERY: Material on this order is required at builder's Plant in accordance with the following delivery schedule:

4 sets Nov. 1st

4 sets per week thereafter.

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-139 Lima Locomotive Works Order No. C.C. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I.C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight  
per Locomotive Set 4000#.

(SOD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Standard Steel Works Divn.  
Baldwin Locomotive Works  
c/o Latham McFullan  
Russ Bldg.  
San Francisco, Calif.

Order No. P-148-139T

August 13, 1940

Please supply the articles named below and send them to

Lima Locomotive Works, Inc.  
Lima, Ohio

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Tender Sets Quenched and Tempered Wrot Steel Wheels in accordance with A.A.R. Tentative Specification for Heat Treated Multiple wear wrought carbon steel wheels Class "C" Circular DV-959, for application to 20 tenders, Class 235-R-1.

Each tender requires twelve 36" Dia. wheels per Drg. CL-17122-A.  
Wheels to be furnished rough bored only.

PRICE: To be \$573.89 per Tender Set F.O.B. Delivered  
Shipment from Burnham, Pa.

BID: SPL 235-139T TERMS: 1/2% 10 Da.

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

Two copies of Mill Test Report to be sent to Mr. Geo. McCormick, Attn. Mr. D. Wood, 65 Market Street, San Francisco, Calif., one copy to be sent to Equipment Company's Chief Inspector at Locomotive Builder's plant and one copy to be attached to your invoice.

DELIVERY: Material on this order is required at Builder's Plant by Nov. 1st.

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-139T Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight  
per Tender Set 11,280#.

(SGD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

J. H. WILLIAMS COMPANY  
75 Spring Street,  
New York, N. Y.

Order No. P-148-140

August 13, 1940

Please supply the articles named below and send them to

Lima Locomotive Works, Inc.,  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets of Drop Forged Steel Wrenches in accordance with Drawing BL-18306-A. Each locomotive Class G.S.-4 requires one complete set of wrenches.

PRICE: To be \$23.27 per Locomotive Set F.O.B. Delivered  
Shipment from Buffalo, N. Y.

BID: SPL 235-140 TERMS: 2% 10 Prox.

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets Dec. 15th

4 Sets per week thereafter

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-140 Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc. Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated Shipping Weight Per Locomotive Set 45#.

(SGD) G. M. BETTERTON

Purchasing Agent.

## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Southern Pacific Company  
A. S. McKelligon  
General Storekeeper  
San Francisco, Calif.

Order No. P-148-140A

August 13, 1940

Please supply the articles named below and send them to  
Lima Locomotive Works, Inc.  
Lima, Ohio

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets Packing Hook and Iron Wrench per drawing  
AL- 18309. One required per Locomotive Class GS-4.

PRICE: To be 24¢ per Locomotive Set F.O.B. Delivered  
Shipment from Sacramento, California

BID: SPL 235-140A TERMS: Net Cash

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 sets Dec. 15th

4 sets per week thereafter

Note - Consolidate in shipment with Tire Clips on order P-148-142.

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-140A Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Locomotive Set 2-1/4#.

(SGD) G. M. BETTERTON  
Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Valve Pilot Corporation  
c/o Latham McMillin  
Russ Bldg.  
San Francisco, Calif.

Order No. P-148-141 P 1

August 13, 1940

Please supply the articles named below and send them to Lima Locomotive Works, Inc.  
Lima, Ohio

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

- 20 Locomotive Sets Valve Pilots, Model VP-120, (Speed and Cut-Off Indicators) for application to 20 locomotives of 4-8-4 Type, Class G.S.-4, having 66" Dia. engine truck wheels, 80" driving wheels and 45-1/2" trailing wheels.

Each locomotive requires one Valve Pilot complete, similar to the following drawings (modified for VP-120 assembly):

Flexible Shaft and Connections	Dwg. BL-16942
Instrument Assembly	Dwg. DL-16942
Friction Drive Assembly	Dwg. CL-16942
Cam Case Assembly	Dwg. DL-16942
Adjustable Lever Post Assembly	Dwg. AL-16942
Operating Rod and Turnbuckle Assembly	Dwg. AL-16947

Three rolls of 1750 mile tape to be furnished with each valve pilot.

**PRICE:** To be \$1230.25 per Locomotive Set F.O.B. Albany, N.Y.**BID:** SPL 235-141 **TERMS:** 1% 10 Da.**TAXES:** Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.**INSPECTION:** All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builders Plant.**DELIVERY:** Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets Dec. 2nd

4 Sets per week thereafter

**MARKING:** For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-141 Lima Locomotive Works Order No. C.O. 1152".

CONTINUED

Purchasing Agent.

## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENTValve Pilot Corporation  
c/o Latham McKullin  
Russ Bldg.  
San Francisco, Calif.

Order No. P-148-141 Pg 2

August 13, 1940

Please supply the articles named below and send them to

Lima Locomotive Works, Inc.  
Lima, Ohio

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

---

IMPORTANT: Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

---

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Locomotive Set 550#.

(SCD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Southern Pacific Company  
c/o A. S. McKelligon  
Southern Pacific Bldg.,  
San Francisco, Calif.

Order No. P-148-142

August 13, 1940

Please supply the articles named below and send them to

Lima Locomotive Works, Inc.,  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets Tire Retaining Clips as per Drg. BL-18116-C,  
for application to 20 locomotives, Class G.S.-4.

Each locomotive requires 30 Clips, Type "K" and 10 Clips  
Type "F" for Drivers and 20 Clips Type "K" for Trailing  
truck wheels.

PRICE: To be \$7.35 per Locomotive Set F.O.B. Delivered  
Shipment from Sacramento, Calif.

BID: SPL 235-142 TERMS: Net Cash

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Co's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets Nov. 1st

4 Sets per week thereafter

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-142 Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Locomotive Set 40%.

(SGD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Vapor Car Heating Co., Inc.,  
% H. D. Donnell  
Hobart Building,  
San Francisco, Calif.

Order No. P-148-143

August 13, 1940

Please supply the articles named below and send them to

Lima Locomotive Works, Inc.,  
Lima, Ohio

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

IMPORTANT: Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Tender Sets Vapor Car Heating Co., Inc. Steam Heat Equipment, in accordance with Drawing BL-17857, for application to 20 tenders Class 235-R-1. Each tender requires one each of the following items.

1 - 2-1/2" Special Flange Ell (No. 266)

1 - No. 1165, 2-1/2" Metallic Steam Conduit with Nos. 1165-XX and 1165-TT Insulating Jackets and Improved No. 350 - 2-1/2" Coupler.

PRICE: To be \$69.66 per Tender Set F.O.B. Delivered  
Shipment from Chicago, Ill.

BID: SPL 235-143

TERMS: 1% 10 da.

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets Nov. 1st

4 Sets per Week thereafter

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-143 Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Tender Set 120#.

(SGD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Order No. P-148-145

August 13, 1940

The Pyle National Company  
c/o H. G. Cook,  
Hobart Building,  
San Francisco, Calif.

Please supply the articles named below and send them to

Lima Locomotive Works, Inc.,  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

IMPORTANT: Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive and Tender Sets Headlight Cases, as per Drawing CL-17011-B, for application to 20 Locomotives Class GS-4 and Tenders Class E35-P-1. Each locomotive requires one headlight case and each tender requires one headlight case.

PRICE: To be \$118.40 per Locomotive & Tender Set F.O.B. Delivered. Shipment from Chicago, Ill.

P.O.D: SPL 235-145

TERMS: 1% 10 da.

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets Nov. 1st

4 Sets per week thereafter

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-145 Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Locomotive & Tender Set 115#.

(SGD) G. M. BETTERTON

Purchasing Agent.

## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Leslie Company

Lyndhurst, N.J.

Order No. P-148-146

August 13, 1940

Please supply the articles named below and send them to Lima Locomotive Works, Inc.  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets Leslie-Tyfon Air Whistles Type A-200-L as shown on Drawing BL-17002, complete with Wilcox Operating Valve as shown on Wilcox Drg. 977-A, Relay Valve, and Self-Cleaning Strainers for application to 20 locomotives Class GS-4.

PRICE: To be \$106.98½ per Locomotive Set F.O.B. Delivered  
Shipment from Lyndhurst, N.J.

BID: SPL 235-146

TERMS: Net Cash

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 sets Dec. 2nd

4 sets per week thereafter

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-146 Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., at Mr. I. C. Brenckinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated Shipping Weight per Locomotive Set 125#.

(SGD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Viloco Ry. Equipment Co., Inc.,  
611 McCormick Bldg.,  
332 So. Michigan Ave.,  
Chicago, Ill.

Order No. P-148-146-B

August 13, 1940

Please supply the articles named below and send them to Lima Locomotive Works, Inc.,  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets Whistle Cab Valves, Pneumatic, (for steam whistle) per Viloco Drawing 977-A, for application to 20 locomotives, Class GS-4. Each locomotive requires one valve.

PRICE: To be \$12.60 per Locomotive Set F.O.B. Delivered.  
Shipment from Benton Harbor, Mich.

BID: SPL 235-146-B TERMS: 1% 10 da.

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets Dec. 2nd

4 Sets per week thereafter

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-146-B Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Locomotive Set 5#.

(SGD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

The Symington-Gould Corp.,  
c/o H. G. Cook  
Hobart Building  
San Francisco, Calif.

Order No. P-148-147

August 15, 1940

Please supply the articles named below and send them to Lima Locomotive Works, Inc.,  
Lima, Ohio.

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive and Tender Sets of Journal Box Lids for application to 20 locomotives, Class GS-4 and 20 Tenders, Class 235-R-1.

Each locomotive set to consist of the following:

2 - Trailing Truck Box Lids, complete (for 7"x14" front journals) per Drg. CL-18226-B

2 - Trailing Truck Box Lids, complete (for 9"x14" back journals) per drg. CL-18226-B

Each Tender Set to consist of the following:

12 - Tender Truck Box Lids, complete (for 7"x14" journals) per drg. DL-17907-A.

PRICE: To be \$83.30 per Locomotive and Tender Set F.O.B. Delivered  
Shipment from Rochester, N.Y.

BID: SPL 235-147 TERMS: Net Cash

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Co's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets Nov. 1st - 4 Sets per week thereafter

MARKING: For identification purposes all shipments on this order are to be marked "S.P.E.Co. Order No. P-148-147 Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated shipping weight per Locomotive & Tender Set 127#.

(SCD) G. M. BETTERTON

Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Nathan Manufacturing Co.  
c/o H. G. Cook  
Hobart Bldg.  
San Francisco, Calif.

Order No. P-148-149

August 13, 1940

Please supply the articles named below and send them to

Lima Locomotive Works, Inc.  
Lima, Ohio

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

- 20 Locomotive Sets of Four-Way Oil Distributors, # 3515 for application to 20 Locomotives, Class GS-4. Each Locomotive will require six (6) Oil Distributors, as shown on drawing CL-18470- but with the following exceptions:

All oil outlets on Distributors to have adaptor, Part No. D-21185 instead of coupling nut Part No. 236 and tail piece Part No. 235. Inlets on five distributors per Locomotive Set to have adaptor, Part No. D-21185 instead of coupling nut, Part No. 236 and tail piece, Part No. 235. The sixth distributor in each set to have coupling nut No. 236 and hose nipple D-21416.

PRICE: To be \$195.00 per Locomotive Set F.O.B. Delivered  
Shipment from New York, N.Y.

BID: SPL 235-149 TERMS: 2% 15 Da.

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets Dec. 2nd  
4 Sets per week thereafter.

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-149 Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., Attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated Shipping Weight  
per Locomotive Set 96#.

(SGD) G. M. BETTERTON  
Purchasing Agent.



## SOUTHERN PACIFIC EQUIPMENT COMPANY

ROOM 952, 65 MARKET ST., SAN FRANCISCO, CALIFORNIA

G. M. BETTERTON,  
PURCHASING AGENT

C O P Y

Vapor Car Heating Co.  
c/o H. D. Donnell  
593 Market St.  
San Francisco, Calif.

Order No. P-148-148

August 13, 1940

Please supply the articles named below and send them to Lima Locomotive Works, Inc.  
Lima, Ohio

Ship by FAST FREIGHT PREPAID. Ship carload whenever possible, ordering from the carrier minimum size car which will contain this shipment.

**IMPORTANT:** Please give your principal and/or sub-contractor full information as to all terms and conditions of this order, including Southern Pacific Equipment Co. order number shown hereon, and practice to be followed in making application for instructions about routing materials covered by this order.

20 Locomotive Sets of No. 210 K-2 Stop Valves as illustrated on Drawing CL 16930 B. For application to 20 Locomotives Class GS-4. Each locomotive requires one Stop Valve. Each stop valve to be complete with 3" threaded mall. inlet, No. 239-43H outlet tail piece for 2-3/4" O.D. copper tubing, manganese bronze bonnet ring No. 210-N, and stem suitable for A.A.R. universal joint.

PRICE: To be \$48.78 per Locomotive Set F.O.B. Delivered  
Shipment from Chicago, Ill.

BID: SPL 235-148 TERMS: 1 1/2 10 Da.

TAXES: Material covered by this order is to be used in the fabrication in transit at Lima, Ohio, of equipment sold in Interstate Commerce, therefore no State Sales or Use Taxes are applicable.

INSPECTION: All material covered by this order subject to inspection by Southern Pacific Equipment Company's Inspector at the Locomotive Builder's Plant.

DELIVERY: Material on this order is required at Builder's Plant in accordance with the following delivery schedule:

4 Sets Dec. 2nd

4 Sets per week thereafter.

MARKING: For identification purposes all shipments on this order are to be marked: "S.P.E.Co. Order No. P-148-148 Lima Locomotive Works Order No. C.O. 1152".

SHIPPING NOTICES: Send in triplicate to Lima Locomotive Works, Inc., attn. Mr. I. C. Brentlinger, Purchasing Agent, Lima, Ohio. One copy of shipping notice to be sent to the undersigned at Room 952, 65 Market Street, San Francisco, Calif. Shipping notices to show package marking, date of shipment, point of origin, initials and car numbers, routing, and detail of contents.

WEIGHT: Estimated Shipping Weight  
per Locomotive Set 35#.

(SGD) G. M. BETTERTON

Purchasing Agent.